

REMARKS

Claims 1-20 have been cancelled and new claims 21-26 have been added. Claims 21-26 are currently pending in the application.

Amendments to the specification correct typographical errors and expressly incorporate material from earlier applications whose specifications were incorporated by reference.

In particular, the following amendment have been made:

(1) The title has been amended to better reflect the subject matter of the pending claims.

(2) On page 4 and 8, passages were expressly incorporated from the prior application USSN 09/698,846 (that was incorporated by reference in the instant application, see page 1, lines 7-8). This prior application has since issued as U.S. patent 6,627,400.

(3) On page 61, old Tables 5 and 6 were replaced by new Table 5 that was expressly incorporated from the great-grandparent application USSN 09/602,586 (again, this application was incorporated by reference in the instant application). New Table 5 has been amended to add SEQ ID numbers in the right-most column.

(4) The passage inserted on page 4 and new Table 5 include corrections to typographical errors and the addition of SEQ ID numbers, respectively.

(5) Corrections to the figure captions for Figures 4, 33, and 34 have been made to correct typographical errors.

(6) A Sequence Listing has been added.

The subject matter of the above claims roughly corresponds to that of allowed claims 30-36 of parent application USSN 09/825,244 ('244).

Basis* new claims are as follows:

New Claim(s)	Term/Phrase	Basis
21	"composition"	Page 12, line 41, to page 14, line 39.
21	"aggregation of proteins"	Page 32, lines 28-31. Page 17, line 3. ('846)
21	"set of electrophoretic probes"	Page 4, lines 10-11. Page 10, lines 35-41.
21	"electrophoretic probe"	Page 10, lines 11-34.
21	"second reagent ... generating an active species to cleave the cleavable linkage"	Page 14, lines 4-5. Page 18, lines 22-29. ('846)

21	"[(D, M)-L] _k -T"	Claim 1 Page 30, line 45.
21	"k ... 1 to 20"	Page 30, line 45. Page 33, Table 4. Page 18, lines 7-8. ('846)
21	"target-binding moiety"	Page 8, line 34; Page 32, lines 20-21.
21	"cleavable linkage"	Claim 1 Page 20, line 8, to page 22, line 27. ('846)
21	"comprising a detection group, D, and a mobility modifier, M,"	Page 4, lines 21-25.
21	"eTag reporter ... with a unique electrophoretic mobility"	Page 8, line 37. Page 8, line 45.
21	Different "eTag reporters ... form distinct peaks upon electrophoretic separation."	Claim 1 (lines 21-22) Page 4, lines 21-23. Figs. 5, 6, & 8 Page 8, lines 12-13. ('846) Figs. 7 ('846)
22	"1 to 500 atoms" in reference to M	Page 18, line 6.
22	"group consisting of carbon, hydrogen, oxygen, nitrogen, sulfur, phosphorus, and boron" in reference to M	Page 18, lines 8-9. Figs. 1C, 5, 6, 15, 17A-J.
23	"cleavable linkage is selected from the group consisting of olefins, thioethers, sulfoxides, and selenium analogs of thioethers or sulfoxides"	Page 19, lines 10-14. ('846) Pages 21-22. ('846)
23, 27	"active species ... selected from the group consisting of singlet oxygen, hydrogen peroxide, NADH, and hydrogen radicals."	Page 18, lines 26-27. ('846)
24, 28	"detection group is a fluorophore, a chromophore, or an electrochemical label "	Claim 17.
25, 29	"antibody binding compound is a monoclonal antibody or a polyclonal antibody"	Page 14, lines 27-39.
30	"sensitizer capable of generating singlet oxygen when photoactivated"	Claim 7 Page 33, Table 3 and Table 4, in column entitled "e-tag Release" Page 20, lines 8-22. ('846)
27	"cleavable linkage is a disulfide bond"	Claim 6
29	"k is in the range of from 1 to 3"	Page 31, line 5.
30	"distinct charge/mass ratio in the range of from -0.001 to 0.5"	Page 24, line 7-14.
30	"a fluorescein"	Fig. 5

- * Whenever basis for a term or phrase of the new claims is found in the incorporated passages, the page and line numbers refer to the location in the grandparent application 09/698,846. (Such page and line references have the designation “(‘846)” in the right hand side of the box below).

No new matter has been added by the amendments.

If any additional time extensions are required, such time extensions are hereby requested.
If any additional fees not submitted with this response are required, please take such fees from deposit account **50-2266**.

Respectfully submitted,



Stephen C. Macevicz
Reg. No. 30,285
Attorney for Applicants

Telephone: (650) 210-1223
Email: smacevicz@aclara.com

Enclosures:

Information Disclosure Statement
Declaration of Sequence Listing
3.5 inc diskette Text File of Sequence Listing